

Patent Abstracts of Japan

PUBLICATION NUMBER : 63084175
 PUBLICATION DATE : 14-04-88

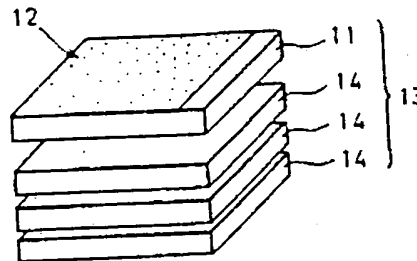
APPLICATION DATE : 29-09-86
 APPLICATION NUMBER : 61228465

APPLICANT : TOYOTA MOTOR CORP;

INVENTOR : SUGIE JUNJI;

INT.CL. : H01L 41/08 H01G 4/30

TITLE : MANUFACTURE OF LAMINATED
 CERAMIC ELEMENT



ABSTRACT : PURPOSE: To prevent electric short circuits by laminating green sheets even if there are minute defects in the green sheets and to improve durability and yield rate, by forming each ceramic layer of a laminated type ceramic element by laminating the green sheets.

CONSTITUTION: Green sheets are cut into specified sizes. A Pt based inner electrode 12 is printed on a part of the green sheet. Three green sheets 14, on which the inner electrodes 12 are not printed, are laminated. A green sheet 11, on which the inner electrode 12 is printed, is laminated on the green sheets 14. Four green sheets form one piezoelectric ceramic layer 13. The 50 piezoelectric ceramic layers 13 are laminated. The laminate is unbound and burned. Thereafter an outer electrode is formed, and a laminated type ceramic element is obtained.

COPYRIGHT: (C)1988,JPO&Japio